

Course Syllabus

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Architecture A4332

Tuesdays 1:00pm-3:00pm, 600 Avery Hall

Avery Library reserve shelf 403A-B, Oversize shelf 400A-B

European Urban Cartography 16th-19th Centuries*

This course presents a critical period in the history of Western urban cartography. The sixteenth through the nineteenth century witnessed expansion and mechanization of cities and their maps evolving from the Age of Discovery and the invention of the printing press to the Industrial Revolution.

Maps are not objective vehicles of data. They are tools combining planning, documenting, and governing while also being artistic and symbolic form in their own right. They are also works using different techniques made by graphic artists and craftsmen on paper and other media. The class will focus on a few major European cities and colonial cities and it will work with facsimiles and original maps in New York collections. Throughout the course, students are encouraged to criticize digital presentations of historic maps and make parallels with contemporary methods of cartography such as Google Earth and GIS.

The format is part lecture, part reading discussion and map analysis. The first half of the semester will cover the different techniques of cartography and the major cartographers of the period across countries. The second half of the course will be on case study cities and their most famous maps (Rome, Paris, London, New York). Please come to class having done the assigned reading and reviewed the maps ahead of time. Also review the general history of each city (in surveys such as Girouard or Benevolo). I will bring facsimiles of maps to class and we will analyze them together. Participation is encouraged and welcome at all times. Past classes have included visits to analyze original maps in Avery Classics, the New York Public Library, the Future City Lab at the Museum of the

City of New York, and a walking tour of lower Manhattan comparing its current state to its cartographic depictions.

*Please check back for updates to this syllabus throughout the semester. You will be alerted to changes and weekly assignments through Courseworks/Canvas.

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Assignments:

20%: In-class written exercises. Attendance. Completion of Readings.

30% Paper précis, bibliography, catalogue entry and description.

50% Paper (due May 10, no extensions) analyze a paper map of a European city or a non-European city in dialogue with European cities. It should be an original or a facsimile and it can be one of the works presented in class. 15 pages of writing plus bibliography and labeled illustrations.

Course Schedule

(Readings, unless noted, are on Courseworks/Canvas under "Files". Facsimile maps are on the oversized shelf 400A-B in Avery and books are on the seminar shelf 403A-B. Powerpoints will be added to Courseworks after each class)

1: January 22: Introduction.

Readings:

J.B. Harley, "Maps, Knowledge and Power", in *The New Nature of Maps: Essays in the History of Cartography*, The Johns Hopkins University press, Baltimore and London, 2001, (1st ed. 1988), ch. 2 pp. 52-81

Svetlana Alpers, "The Mapping Impulse in Dutch Art," in *The Art of Describing: Dutch Art in the Seventeenth Century*, Chacago, University of Chicago Press, 2007, ch. 4, pp. 119-168

2: January 29: A survey of European urban cartography 1600-1900

Reading:

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James Elliot, *The City in Maps: Urban Mapping to 1900*, The British Library, 1987.

Catherine Delano-Smith, "Mapping Towns," in *English Maps: A History*, University of Toronto Press, Toronto and Buffalo, 1999, ch. 6, pp. 179-214

3: Feb 5: Bird's Eye and Planimetric Formats

In class: "Looking Assignment"

Readings:

1. A. Pinto, "Origins and Development of the Ichnographic City Plan," *Journal of the Society of Architectural Historians*, Vol. 35, No. 1 (Mar., 1976), pp. 35-50

Jeurgen Schulz, "Jacopo de'Barbari's view of Venice: map making, city views and moralized geography before the year 1500," *Art Bulletin*, 60, 1978, 427-73

Examples:

Leonardo Bufalini, *Pianta di Roma*, 1551 (facsimile Avery AA1115 B863 -- oversize shelf 400A-B)

Jacopo de'Barbari, *La pianta prospettica di Venezia del 1500 disegnata da Jacopo de'Barbari*, Cassa di risparmio di Venezia, 1963 (Facsimile from British Museum copy, Avery AA1116 V5 B23 FF -- oversize shelf 400A-B)

4: Feb 12 Maps as works on paper

Attention: class will take place in the Avery Classics.

Come prepared to fill in a sheet identifying a provided list of terms on the maps presented

Readings:

David Woodward, *Maps as Prints in the Italian Renaissance. Makers, Distributors & Consumers*, The British Library, 1995, pp. 20 – 74.

Sponberg Pedley, Mary. *The Commerce of Cartography*. Chicago: University of Chicago, Press, 2005. pp. 1-13, 24-25, 180-185, 198-204

Jane C. Ginsburg, e 1593 Antonio Tempesta Map of Rome, A HISTORY OF IP IN 50 OBJECTS, Dan Hunter and Claudy Op Den Kamp, editors (Cambridge U. Press. 2018 Forthcoming); Columbia Public Law Research Paper No. 14-570 (2017). Available at:
https://scholarship.law.columbia.edu/faculty_scholarship/2077

Reference work: Susan Lambert, *Prints Art and Techniques*, V&A Publications, 2001. On reserve shelf 403A-B.

Metropolitan Museum of Art, "What is Printmaking?"

https://www.metmuseum.org/about-the-met/curatorial-departments/drawings-and-prints/materials-and-techniques/printmaking?utm_source=MetNews&utm_medium=email&utm_campaign=2019_0206_Met_MetNews_Feb, accessed 2/6/2019

5: Feb 19 : Beyond paper: Panoramas, City Models and Google Earth.

Discussion of paper assignment

Readings:

Victoria Sanger, "The French Collection of Plans-Reliefs as Political Instrument. Exhibition Review: La France en Relief" *Journal of Architecture*.

Gustavo Velho Diogo, "Google Earth, Surveillance and the Power of Digital Cartography," Institute of Network Cultures, Oct. 7, 2016

<http://networkcultures.org/longform/2016/10/07/google-earth-surveillance-and-the-power-of-digital-cartography/>

Bernard Comment, *The Panorama*, London, Reaktion, 1999 (French edition 1993). Avery N7635 C7362 (Reserve shelf 403 A-B). Introduction and ch. 14 "Panoramas and Panopticism." Please look at the original book on the reserve shelf because of the illustrations.

6: Feb. 26: Field Trip to the Versailles Panorama meet at 2pm in the Great Hall of the Metropolitan Museum, 5th ave. 82nd Street

Analysis of perspective

Review Alpers reading from Course 1

Ethan Robey, "John Vanderlyn's View of Versailles: Spectacle, landscape, and the visual demands of panorama painting," in *Early Popular Culture*, vol. 12, n. 1 1-21, 2014, Routledge.

Example:

John Vanderlyn, *Panoramic View of the Palace and Gardens of Versailles*, 1818-1819, 12 x 165 ft., oil on canvas, on view at the Met Fifth Avenue, American Wing, gallery 735.

7: March 5: Maps as historical information. Rome I

Paper topics due, 2-4 pages (precis, bibliography, catalogue entry and visual description of map)

Readings:

Thomas Schlereth, *Past Cityscapes: The Uses of Cartography in Urban History*, Issue 1, Newberry Library, 1980

Femke Speelberg, "Antonio Tempesta's *View of Rome*: Portraying the Baroque Splendor of the Eternal City," <http://www.metmuseum.org/about-the-museum/now-at-the-met/features/2012/view-of-rome>

Examples:

Antonio Tempesta, *Plan of the City of Rome*, 1593, Metropolitan Museum of Art, 1983.1027 (1-12). Facsimile: *Roma al Tempo di Clemente VIII, La Pianta di Roma di Antonio Tempesta del 1593 Riprodotta da una Copia Vaticana del 1606*, Citta del Vaticano, Biblioteca Apostolica Vaticana, 1932. Reserve Shelf 400 A-B

1992. Spagnesi et. al., *La Pianta di Roma al Tempo di Sisto V*, Multigrafica Editrice, Rome, 1992. Avery AA 9203 R663 P57F , reserve shelf 400 A-B

March 12: No class (Kinne Travel). Please sign up for a one on one meeting to discuss your paper topic.

March 19 : Spring Break

8: March 26: Rome II. Digital Cartography

Presenters: Yvette (Bufalini), Elisa (Ligorio), Richard (Piranesi), Kate (Piranesi), James (Nolli)

Readings:

Pier Vittoria Aureli, "Instauratio Urbis: Piranesi's *Campo Marzio* vs. Nolli's *Nuova Pianta di Roma*" in *The Possibility of an Absolute Architecture*, Cambridge, MA, MIT Press, 2011, ch. 3 pp. 85-140.

Examples:

Giovanni Battista Piranesi, *Campus Martius antique urbis*, 1762 (Avery Classics AE659 P662 v. 10F).

-- on view in Avery Stacks, 200 level behind Classics facing Carrel 811.

--Il Campo Marzio dell'antica Roma: l'inventario dei beni del 1778. Colombo ristampe, Roma, 1972. AE662 P6 P6635 FF. Reserve shelf 400A-B

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Giambattista Nolli, *Pianta grande di Roma*, 1748 (Electa Napoli, c. 1998, facsimile, Avery AA1120 N72). Avery- facsimiles oversize reserve shelf . 400 A-B

University of Oregon, Nolli Website, <http://nolli.uoregon.edu/preface.html> ([Links to an external site.](#))

Bring in your own examples of digital maps and websites for discussion.

NYPL Map

Warper: http://maps.nypl.org/warper/maps?page=6&show_warped=1 ([Links to an external site.](#))

Mauricio Giraldo Arteaga, *From Paper Maps to the Web: A DIY Digital Maps Primer*, <https://www.nypl.org/blog/2015/01/05/web-maps-primer>

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9: April 2: Professor Sarah McPhee (Emory University), Guest Lecture on Falda and the Envisioning Baroque Rome Project

Reading:

Sarah McPhee, "Rome 1676: Falda's View", Mario Bevilacqua and Marcello Fagiolo, ed., *Piante di Roma dal Rinascimento ai catasti*, Roma, Artemide, 2012. pp. 232-243

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Examples:

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Giovanni Battista Falda, *Pianta di Roma*: disegnata e incisa da Giov. Battista Falda nel 1676, Rome, M. Danesi 1960? Reserve shelf 400A-B

Falda website: envisioningbaroquerome.org

10. April 9: London. London vs. Rome.

Presenters: Michael (Nolli) , Samuel (Rocque), and Gwendolyn (Chart of the Atlantic)

examples

Ralph Agas, Civitatas Londinum, Fac-Simile from the original in the possession of the Corporation of the City of London, London, Adams and Francis, 1874. Reserve Shelf 400

- *The A to Z of Elizabethan London*, London Topographical Society, Publication No. 122, 1979 -- Reserve shelf 403

William Morgan and John Ogilby, *A large and accurate map of the City of London : Ichnographically describing all the streets, lanes, alleys, courts, yards, churches, halls and houses / actually surveyed and delineated by John Ogilby* 1976.

- *The A to Z of Restoration London, (the City of London, 1676)* London Topographical Society, 1992. Reserve shelf 403

John Rocque, *A Plan of the Cities of London and Westminster and Borough of Southwark, with the Contiguous Buildings, from and actual Survey taken by John Rocque, Land-Surveyor and Engraved by John Pine*, 1746 -- Reserve shelf 400

- Hyde, Ralph. *The A to Z of Georgian London*. London: London Typographical Society, 1982. -- Reserve Shelf 403
- *Locating London's Past*, British Society for Eighteenth Century Studies, 2011 (Trans-historical map comparison including Rocque. <http://www.locatinglondon.org/static/MolaArchaeology.html>)

Map by John Snow - Published by C.F. Cheffins, Lith, Southhampton Buildings, London, England, 1854 in Snow, John. *On the Mode of Communication of Cholera*, 2nd Ed, John Churchill, New Burlington Street, London, England, 1855. Text on reserve shelf 403 A-B. Another copy in Butler Rare Book AIGA 1937
6. Online version at the Bibliothèque nationale de France:
<https://gallica.bnf.fr/ark:/12148/bpt6k856189z/f5.planchecontact>

Charles Booth assisted by Jesse Argyle, *Life and Labour of the People in London*, London and New York, Macmillan and Co., 1902, 8 vols.

- Charles Booth Online Archive through the London School of Economics and Political Science and the Senate House Library. http://booth.lse.ac.uk/cgi-bin/do.pl?sub=view_booth_and_barth&m.l=4&m.d.l=3&m.p.x=9495&m.p.y=8378&m.p.w=500&m.p.h=309&m.p.l=4&m.t.w=128&m.t.h=80&b.v.x=287&b.v.y=189&b.p.x=16310&b.p.y=11731&b.p.w=500&b.p.h=309&b.p.l=5&b.p.p.l=6

11: April 16: Paris vs. London. Paris I

Presenters: Ivy (Gomboust), Sophie (Turgot), Andrew (Turgot), Ben (Turgot)

Reading:

Catherine Bousquet-Bressolier, "Matthäus Merian's 1615 Map of Paris: Its Structure, Decoration and Message," in *Imago Mundi*, Vol. 58, no. 1, 2006, pp. 48-69

examples:

Georg Braun and Franz Hogenberg, Paris, in *Civitates orbis terrarum*, 1572, map I-7

[*Civitates orbis terrarum = Cities of the world : 363 engravings revolutionize the view of the world : complete edition of the colour plates of 1572-1617 / Georg Braun and Franz Hogenberg ; edited by Stephan Füssel ; based on the copy in the HistorischesLinks to an external site.*](#) Köln : Taschen, c2008. (facsimile: Avery AA9000 B7311 F). Reserve shelf 403

<http://www.oldmapsofparis.com>

Jacques Gomboust, *Le Paris du XVIIe siècle. Plan monumentale de la ville de Paris dédié et présenté au roy Louis XIV*(1653), (facsimile: Avery AA9198 P2 G58 F) -- reserve shelf 400 A-B

<http://www.geographicus.com/P/AntiqueMap/Paris-gomboust-1900>

Turgot, Louis Bretez, [Plan de Paris, commencé l'année 1734. Links to an external site.](#) Paris? 1739 (Avery Classics AA1045 and Avery in facsimile AA1045 B7511 FF-- Reserve Shelf 400 A-B)

http://cartocassini.free.fr/planville/paris/turgot/turgot_11.htm

12: April 23: Paris II. Paris vs. New York

Presenters: Gil (Vanderlyn), Sunghoon (Vanderlyn), Minhui (Naples), Yujun (Canton), Kevin (Belgium), Mayrah (Moon)

Antoine Picon, Nineteenth-Century Urban Cartography and the Scientific Ideal: The Case of Paris, *Osiris*, 2nd Series, Vol. 18, Science and the City. (2003), pp. 135-149

Paul E. Cohen, *Manhattan in Maps: 1527-1995*, 2006 -- Reserve shelf 403 A-B. Easily available for purchase.

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examples:

1871. Meunier, P. Rouillier, *Paris en mai 1871. Plan indiquant les opérations de l'armée contre l'insurrection*, Paris, 1872

<http://gallica.bnf.fr/ark:/12148/btv1b53085566g.r=plan%20indiquant%20les%20operations%20de%20l%27armée%20contre%20l%27insurrection>

Jacques Bertillon, *Album de Statistique Graphique de la ville de Paris, année 1889*, Paris, ca. 1891

<http://gallica.bnf.fr/ark:/12148/btv1b52505495j.r=Jacques%20bertillon%20atlas%20de%20statistique> (Links to an external site.)

John Randel, Jr., "A Map of the city of New York by the commissioners appointed by an act of the legislature passed April 3-1807, (commonly known as the Commissioners' Plan), 1811, New York City Municipal Archives.

<http://thegreatestgrid.mcny.org/greatest-grid/interactive-1811-plan>

Louis A. Risse, *General map of the city of New York, consisting of boroughs of Manhattan, Brooklyn, Bronx, Queens and Richmond: consolidated into one municipality by act of the legislature of the state of New York...* 1900, New York Public Library, Lionel Pincus and Princess Firyal Map Division. Digital collections: <https://digitalcollections.nypl.org/items/510d47e2-6f6e-a3d9-e040-e00a18064a99#/?uuid=9e73fae8-2c67-d4b1-e040-e00a18062a71>

May 10: Final paper due. No extensions. 15 pages not including bibliography illustrations.

Additional Recommended Bibliography

General Cartography

Surveys

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Jeremy Black, *Metropolis. Mapping the City*, Bloomsbury, London, 2015.

David Buisseret, *The Mapmakers' Quest: Depicting New Worlds in Renaissance Europe*, Oxford University Press, 2003. Butler GA781.B85 2003

Catherine Delano-Smith and Roger J.P. Kain, *English Maps: A History*, University of Toronto Press, 1999, Avery AA9185 D37

Cesare De Seta, *Ritratti di città. Dal Rinascimento al secolo XVIII*, Giulio Einaudi, ed., Turin, 2011.

Ruth Eaton, *Ideal Cities. Utopianism and the (Un) Built Environment*, Thames and Hudson, 2001.

James Elliot, *The City in Maps: urban mapping to 1900*, The British Library, 1987.

J.B. Harley and David Woodward, eds., "Cartography in the European Renaissance," *The History of Cartography*, University of Chicago Press, 2007, vol. I-III on line on Clio. (Through the Renaissance). Vol I-III, VI online at <http://www.press.uchicago.edu/ezproxy.cul.columbia.edu/books/HOC/index.html>

Vol. IV (17th and 18th C), Vol. V (19thC) forthcoming.

Katharine A. Harmon, *You are Here: Personal geographies and other maps of the imagination*, New York, Rizzoli, 1994 Avery AA520 R4721

"Maps. Resources" in *World History Sources*, A project of the Center for History and New Media, George Mason University, with support from the National Endowment for the Humanities and the Gladys Krieble Delmas Foundation© 2003-2005 center for history & new media

<http://chnm.gmu.edu/worldhistorysources/unpacking/maponline.php>

University of Portsmouth, UK, Klokant Technologies GmbH, Switzerland, Old Maps online <http://www.oldmapsonline.org/>

online version of the exhibition "In thy map securely saile": *Maps, Atlases, Charts and Globes from the Lawrence H. Slaughter Collection at the NYPL*, 1998

<http://web-static.nypl.org/exhibitions/mapexhib/index.html>

Michael Gonchar, "Lesson Plan/ Analyzing Maps to Better Understand Global Current Events and History," The Learning Network, in *New York Times*, January 13, 2016 <http://mobile.nytimes.com/blogs/learning/2016/01/13/lesson-plan-analyzing-maps-to-better-understand-global-current-events-and->

history/?em_pos=small&emc=edit_In_20160114&nl=learning-network&nl_art=1&nlid=9261753&ref=headline&te=1&referer=

Map Collections

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Georg Braun and Franz Hogenberg, [*Civitates orbis terrarum* Paris, 1572. = *Cities of the world : 363 engravings revolutionize the view of the world : complete edition of the colour plates of 1572-1617 / Georg Braun and Franz Hogenberg ; edited by Stephan Füssel ; based on the copy in the Historisches*](#)[Links to an external site.](#)Köln : Taschen, c2008. (facsimile: Avery AA9000 B7311 F) Original NYPL, Map Division room 117 Schwartzman Building KB+ 1576 (book I - part 1), KB+ 1581 (Book I - part 3)

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Specialty topics

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Ralph Hyde, *Gilded Scenes and Shining Prospects. Panoramic Views of British Towns 1575-1900.* Yale Center For British Art, New Haven, Ct. 1985.

Erkki Huhtamo, *Illusions in Motion, Media Archaeology of the Moving Panorama and Related Spectacles,* MIT Press, Cambridge, Mass. and London, 2013.

Martha Pollak, *Military architecture, cartography & the representation of the early modern European city: a checklist of treatises in fortification in the Newberry Library,* Chicago, The Library, 1991. Avery AA 490

Orbis terrarum: ways of world-making: [Museum Plantin-Moretus and surroundings, 22.06-24.09.2000: a project organized by Antwerpen Open and Museum Plantin-Moretus], Ghent: Ludion; Antwerpen: Antwerpen Open, Museum Plantin-Moretus, 2000. Cf. "Orbis" pp. 264-279

Victoria Sanger, "J'ai du bon tabac et tu n'en auras pas: Plans en Reliefs, Power, and Elitism in Ancien Régime France," Jean-Marc Besse, ed., *Opérations cartographiques,* Actes Sud, 2016. Mss. English translation on Canvas.

Print analysis

William M. Ivins, *How prints look : photographs with commentary*/ William M. Rev. and expanded ed. / revised by Marjorie B. Cohn, Boston : Beacon Press, c1987. Avery NE850 Iv531

David Woodward, *Maps as Prints in the Italian Renaissance. Makers, Distributors & Consumers*, The British Library, 1995. Butler GA221.W66 1996g

Renaissance

Hilary Ballon and David Friedman, "Portraying the City in Early Modern Europe: Measurement, Representation and Planning," in David Woodward ed., *The History of Cartography. vol 3: Cartography in the European Renaissance*, part I, Chicago and London, the University of Chicago Press, 2007, pp. 680-704

Mario Carpo, *The Alphabet and the Algorithm*, MIT Press, 2011. On Alberti. Available online through Clio

The Renaissance from Brunelleschi to Michelangelo: the Representation of Architecture, New York, Rizzoli, 1994. Avery AA520 R4721

Urban History

Leonardo Benevolo, *The history of the City*, Geoffrey Culverwell, trans., Scolar Press, London, 1980. Avery AA 9090 B4321. Reserve shelf 270

Mark Girouard, *Cities & People, A Social and Architectural History*, Yale University Press, 1985.

Paris

Cesare Birignani, *The Police and the City: Paris 160-1750*, Ph.D History Urban Planning, GSAPP, 2013.

François de Dainville, *Le Langage des Géographes. Termes. Signes. Couleurs des Cartes Anciennes 1500-1800*, Paris, Picard, 1964.-- French map keys

François Loyer *Paris nineteenth century : architecture and urbanism*/translated by Charles Lynn Clark, 1st American ed., New York : Abbeville Press, c1988. -- ON RESERVE SHELF

Sebastien Mercier, *Panorama of Paris: Selections from Tableau de Paris*, University Park, Pa., Pennsylvania State University Press, 1999.

Donald J. Olsen, [*The City as a Work of Art: London, Paris, Vienna \(Links to an external site.\)*](#). New Haven: Yale University Press, 1986.

Nicholas Papayanis, *Planning Paris Before Haussmann*, 2004

Pierre Pinon, Bertrand Le Boudec, *Les Plans de Paris. Histoire d'une Capitale*, Le Passage, Bibliothèque nationale de France, 2004.

Antoine Picon, Jean-Paul Robert, *Un Atlas Parisien. Le Dessus des Cartes*, Paris, Picard, 1999.

Atlas by Pierre Couperie, *Paris Through the ages; an illustrated historical atlas of urbanism and architecture*, New York, Braziller, 1971, Avery AA1045 C8352

David Pinkney, [*Napoleon III and the Rebuilding of Paris* \(Links to an external site.\)](#). Princeton, N. J. : Princeton University Press, 1958. (includes good general history of Paris in the Middle Ages)

Atlas Vasserot (1810-1836), Le cadastre de Paris par ilot,

http://canadp-archivesenligne.paris.fr/documents_figures/_plans_parcellaires/docfig_pp_1_recherche.php

Series of original and reconstructed historical maps of Paris

<http://paris-atlas-historique.fr/index.html>

Ecouter le Paris du XVIIIe siècle, Paris, CNRS, 2016

<https://lejournal.cnrs.fr/articles/ecoutez-le-paris-du-xviiiie-siecle>

Sound Atlas of Paris in the 18th C based on historical documents and maps

Rome

Stanley Allen and G. B. Piranesi. "Piranesi's 'Campo Marzio': An Experimental Design." *Assemblage*, no. 10, 1989, pp. 71–109., www.jstor.org/stable/3171144.

Atlas of Rome. The Form of the City on a 1:1000 Scale, Photomap and Line Map, Aerofoto Consult/Automap Compagnia Generale Ripresearee, Marsilio, Venice, 1991

Joseph Connors, *Piranesi and the Campus Martius: the Missing Corso: topography and architecture in the eighteenth-century*. Rome, Milan, Jaca book, 2011. Avery LC GA 895 R7 C66 2011. Reserve Shelf 408

Dorothy Metzger Habel, "When All of Rome Was Under Construction": The Building Process in Baroque Rome, Penn State University Press, 2013

Ann C. Huppert, "Mapping Ancient Rome in Bufalini's Plan and in Sixteenth-Century Drawings", *Memoirs of the American Academy in Rome*, Vol. 53 (2008), 81, JSTOR (25609505)

Jessica Maier, "Mapping Past and Present: Leonardo Bufalini's Plan of Rome" *Imago Mundi*, Vol. 59, No. 1 (2007), 1. JSTOR (40234065)

David R. Marshall, ed., *The Site of Rome. Studies in the Art and Topography of Rome 1400-1750*, *Melbourne Art Journal* 13, L'Erma di Bretschneider, 2014. (Avery-LC DG 812.S58 2014g)

Gabriele Mastrigli, "The Cage of Imagination: Notes On 'Roma Interrotta.'" *Log*, no. 32, 2014, pp. 140–147., www.jstor.org/stable/43631056.

Piero Maria Lugli, *Urbanistica di Roma. Trenta planimetrie per trenta secoli di storia*, Bardi, Roma, 1998 Avery AA 9203 R663 L96.

Jessica Maier, "LEONARDO BUFALINI AND THE FIRST PRINTED MAP OF ROME, 'THE MOST BEAUTIFUL OF ALL THINGS.'" *Memoirs of the American Academy in Rome*, 56/57, 2011, pp. 243–270., www.jstor.org/stable/24616443.

-contains an excellent bibliography on Bufalini

Mirabilia Urbis Romae/The Marvels of Rome, anon., Francis Morgan Nichols, ed., Ithaca Press, 1986 (1st ed., Ellis and Elvey, London ad Spithover, Rome, 1889) -- Avery AA 1115 M671

Manfredo Tafuri, *The Sphere and the Labyrinth: Avant-Gardes and Architecture from Piranesi to the 1970s*, Cambridge, MA, MIT Press, 1987.

Barbara Tellini Santoni, Alberto Manodori, dir., *Roma disegno e immagine della città eterna: le piante di Roma dal II secolo d. Cr. ai giorni nostri*, Rome, Edizione di Luca, 1994, AA1115 R6616 FF

-excellent collection of map reprints of Rome

Nicholas Temple, *Renovatio Urbis: Architecture, urbanism and ceremony in the Rome of Julius II*, Routledge, London and New York, 2011. Avery NA 9204.R7 T46 2011.

London

Clout, Hugh, ed. *The Times History of London*, London: Times Books, HarperCollins, 2007.

Geraldine Edith Mitton, *Maps of Old London*, London, G. and C. Black, 1908 (E-book)

<http://www.gutenberg.org/files/40274/40274-h/40274-h.htm>

A collection of Early maps of London 1553-1667, Harry Margary, Lympne Castle Kent, in association with Guildhall Library, London, 1981 -- Reserve shelf

Hyde, R. *The A to Z of Restoration London (the city of London, 1676)*. London: London Typographical Society, 1992. Avery AA965 Aa 232 -- Reserve shelf

Sheila O'Connell, *London 1753*, The British Museum Press, London, 2003.

New York

Hilary Ballon, ed., *The Greatest Grid. The Master Plan of Manhattan 1811-2011*, Museum of the City of New York, Columbia U. Press, 2012.

Eric Sanderson, *Manhatta: A Natural History of New York City*, Abrams, New York, 2013

I.N. Phelps Stokes, *The Iconography of Manhattan Island 1498-1909*, New York, Robert H. Dodd, 1915

Atlases of New York City, Lionel Pincus and Princess Firyal Map Division, New York Public Library, digital collections,

<http://digitalcollections.nypl.org/collections/atlasses-of-new-york-city#/?tab=about>

Periodicals

JSTOR

Imago Mundi, Berlin, 1935-present

-periodical specializing in cartography. Available online through JSTOR and Taylor and Francis

European Science Foundation, *Mapping Europe's Historic Boundaries and Borders:An Exploratory Workshop*

<http://www.geog.port.ac.uk/hist-bound/>

Mapping resources

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<https://mapwarper.net>

Map Warper: Allows layering up and rectifying of historical maps onto modern maps.

Columbia Center for Spatial Research, <http://c4sr.columbia.edu>

Tutorials, publications and information about 19th-21C mapping and data

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Film

Tim's Vermeer, 2013 documentary by Teller about Vermeer's scientific approach to painting

A Day on the Grand Canal with the Emperor of China -- David Hockney film
about Chinese landscape and cartography. <http://vimeo.com/103808381>